

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An armature of a linear motor comprising:

a modular-type armature which is divided into a plurality of armature blocks and around which an armature winding is coiled, a plurality of the armature blocks being formed by sequentially coupling a plurality of block cores, and

connectors to be used for electrically connecting lead wires of armature windings coiled around the armature blocks provided on both ends of a plurality of the armature blocks so that connections of the respective armature blocks and connections of the armature windings become serial or parallel, wherein

the connectors provided between the armature blocks are connected in a form of in-phase connections

wherein if an in-side connector of one of said armature blocks has terminals in a sequence of phases u, v and w, an out-side connector of said one of said armature blocks has terminals in a sequence of phase of v, w, and u.

2. (currently amended): The armature of a linear motor according to claim 1, wherein when the number of the armature windings is three and a magnetic pole pitch of a magnetic field is taken as τ_p , the armature blocks are separated from each other at intervals

corresponding to an electrical angle of an integral multiple determined by dividing the magnetic pole pitch by ~~the~~ a number of sub-divisions of the armature blocks.

3. (original): The armature of a linear motor according to claim 2, wherein the armature blocks are separated from each other at intervals of $2/3$ the magnetic pole pitch.

4. (original): The armature of a linear motor according to claim 2, wherein the armature blocks are separated from each other at intervals of $4/3$ the magnetic pole pitch.

5. (original): The armature of a linear motor according to any one of claims 1 through 4, further comprising:

an armature mount plate which is arranged in the direction of thrust of the linear motor and provides a retaining function provided on each of the armature blocks, and

an engagement projection provided at one end of each armature mount plate, wherein an engagement groove is formed in the other end of the same to couple together the armature blocks.

6. (currently amended): A linear motor comprising:
an armature of the linear motor defined in claim 1, and
a magnetic field disposed so as to oppose the armature by way of a gap, wherein
the magnetic field is generated by a yoke having a, ~~and a~~ plurality of permanent magnets
disposed ~~on the yoke~~ therein such that different polarities are arranged alternately, and
either the armature or the magnetic field is taken as a movable element which moves, and
the other is taken as a stator.